

AMENDMENT:

This listing of claims will replace all prior versions, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

Claim Listing:

Claims 1-44 (Cancelled).

45. (Currently Amended) A method of seeking to a location within a file having a beginning and an end, the method comprising:

storing a first portion of the file in a memory queue of one or more buffers of a remote computing device;

transmitting the first portion to a client electronic device from the memory queue ~~from the one or more buffers~~;

receiving by the remote computing device, from the client electronic device, a signal indicating a seek request generated as a result of an input from a user of the client electronic device, said signal being received either while the first portion of the file is being transmitted or in an interval after the first portion of the file is transmitted from the remote computing device to the client electronic device, the seek request including data indicative of a location/address within the file in which a second portion of the file is to begin to be transmitted to the client electronic device, the location/address being not limited to the beginning of the file;

determining by the remote computing device, the location/address within the file based upon the seek request;

storing the second portion of the file into the memory queue ~~at least one of the one or more buffers~~; and

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transmitting with the remote computing device, the second portion of the file from the memory queue ~~at least one buffer~~ to the client electronic;

wherein the remote computing device, as a result of receiving the seek request and after one other completion of the transmission of the first portion of the file, re-fills at least a portion of the memory queue with the second portion of the file ~~the at least one buffer with the second portion of the file or makes the at least one buffer available for re-use.~~

46. (Previously presented) The method of claim 45, wherein the seek request further comprises data indicating a length of rendering time.

47. (Previously presented) The method of claim 46, wherein the length of rendering time is shorter than a length of rendering time of an entire buffer of a portion of the file at the client electronic device.

48. (Previously presented) The method of claim 46, wherein the length of rendering time is longer than a length of rendering time of an entire buffer of a portion of the file at the server.

49. (Previously presented) The method of claim 45 wherein said transmitting comprises clearing by the remote computing device, at least one buffer, after said receiving of the seek request and completion of sending another one of the first portion of the file.

50. (Previously presented) The method of claim 45 wherein said transmitting comprises re-filling by the remote computing device, at least one buffer, with at least a portion of the file as a result of said receiving of the seek request, after completion of sending another one of the first portion of the file.

51. (Previously Presented) The method of claim 45, wherein the file includes digitally compressed audio data operative to be streamed to the user.

52. (Cancelled without prejudice)

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53. (Cancelled without prejudice)

54. (Cancelled without prejudice)

55. (Currently Amended) A server to facilitate seeking of a particular location within a file having a beginning and an end, the server comprising:

a memory for storing the file;

a transmitter for transmitting one or more portion(s) of the file;

a receiver to receive a signal indicating a seek request either while transmitting one or more portion(s) of the file or in an interval between when portions of the file are transmitted, the seek request having data indicative of a location/address within the file in which portions of the file are to begin to be transmitted to the client electronic device, the location/address not limited to the beginning of the file; and

a processor coupled with the memory, the transmitter and the receiver to store or more portion(s) of the file to be transmitted in a memory queue~~one or more buffers~~, to transmit one or more portion(s) of the file stored in the memory queue~~at least one of the one or more buffers~~, and as a result of receiving the seek request, determine the location/address within the file based upon the seek request, and after completion of the transmission of another one of the portions of the file stored in the memory queue~~at least one buffer~~, re-filling the memory queue~~at least one buffer~~ with at least another portion of the file to be transmitted or making the memory queue~~at least one of the buffers~~ available for re-use.

56. (Previously presented) The server of claim 55, wherein the file includes digital compressed audio data.

57. (Previously presented) The server of claim 55, wherein the seek request further comprises data indicating a length of rendering time .

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58. (Previously presented) The server of claim 55 further comprising a message queue wherein the message queue is cleared after the server receives the seek request and completion of transmitting of a current block of the file.

59. (Canceled without prejudice).

60. (Previously presented) The server of claim 59, wherein the seek request comprises data indicating a length of rendering time, and wherein the length of rendering time exceeds a length of rendering time of a current portion of the file stored in the buffer.

61. (Cancelled without prejudice)

62. (Previously presented) The server of claim 55, wherein the file is transmitted using TCP/IP.

63.-66. (Cancelled without prejudice)

67. (Currently Amended) A computer readable medium comprising instructions, which when executed on a server, perform a method on the server, the method comprising:

storing first portions of a file to be transmitted to a client electronic device in a memory queue ~~one or more buffers~~ of a server, the file having a beginning and an end;

transmitting from the memory queue ~~one or more buffers~~ of the server, the first portions of the file to client electronic device;

receiving a seek request from the client electronic device during either said transmitting or an interval between when portions of the file are transmitted, wherein the seek request comprises data indicating a location/address within the file in which second portions of the file are to begin to be transmitted to the client electronic device, the location/address not limited to the beginning of the file;

determining at the server, the location/address within the file, based upon the seek request;

storing the second portions of the file in the memory queue at least one of the one or more buffers; and

transmitting from the memory queue at least one buffer of the server, to the client electronic device, the second portions of the file;

as a result of receiving the seek request and after completion of the transmission of one of the first portions of the file, re-filling the memory queue at least one buffer with the second portions of the file or making at least one of the memory queue one or more buffers available for re-use.

68. (Previously presented) The computer readable medium of claim 67, wherein the transmitting of the second portion starts after completion of transmission of a current block of the file.

69. (Currently Amended) A method of seeking to a location within a file, the file having a beginning and an end, the method comprising:

receiving by a client electronic device, from a remote computing device, first portions of the file transmitted from a memory queue one or more buffers of the remote computing device;

generating on the client electronic device, a seek request to seek to a location/address within the file in which portions of the file are to begin to be transmitted to the client electronic device, not limited to the beginning of the file, the seek request including data indicative of the location/address;

transmitting to the remote computing device, a signal indicating the seek request, while said receiving is in progress or during an interval between when portions of the file are being received; and

receiving from the remote computing device, second portions of the file, starting from the location/address, the second portions of the file being transmitted from the memory queue at least one of the one or more buffers, said memory queue one or more buffers being re-filled with the second portions of the file or being made available for re-use after receipt by the remote computing device of

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the seek request and after the remote computing device completing transmission of another one of the first portions of the file.

70. (Previously presented) The method of claim 69, wherein the seek request further comprises data indicating a length of rendering time.

71. (Previously presented) The method of claim 69, wherein the file includes digital compressed audio data.

72. (Previously presented) The method of claim 46, wherein the data comprises an offset amount to further advance into the file or to retreat.

73. (Previously presented) The server of claim 55, wherein the data comprises an offset amount to further advance into the file or to retreat.

74. (Currently Amended) A client electronic device comprising:

a receiver configured to receive from a remote computing device, first portions of a file transmitted from a memory queue ~~one or more buffers~~ of the remote computing device;

a transmitter; and

a processor coupled with the receiver and the transmitter, said processor operative to generate a seek request indicating a location/address within the file in which portions of the file are to begin to be transmitted from the remote computing device to the client electronic device, the location/address being not limited to the beginning of the file, and operative to indicate to the transmitter to transmit to the remote computing device a signal comprising the seek request, during said receiving of the file or during an interval in between when portions of the file are received, wherein transmission of said seek request results in the receiver continuing to receive the additional portions of the file from the remote computing device beginning with the file location/address and transmitted from the memory queue ~~one of the one or more buffers~~, said memory queue ~~one or more buffers~~ being re-

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filled or made available for re-use after receipt by the remote computing device of the seek request and the remote computing device completing transmission of at least one of the first portions of the file.

75. (Previously presented) The client device of claim 74, wherein the seek request further includes data indicating a length of rendering time.

76. (Previously presented) The method of claim 45, wherein the one other completion of the transmission of the first portion of the file comprises one other completion of the transmission of a packet of the first portion of the file.

77. (Previously presented) The server of claim 55, wherein the one other completion of the transmission of the first portion of the file comprises one other completion of the transmission of a packet of the first portion of the file.